

What is claimed is:

1. A multimedia cooperative work system, comprising:
generating a model of a multimedia electronic tag
5 in which display of a comment and attribute data
thereof/comment input in tree-shape structure is
possible for each scene of multimedia data, the
registration of which is requested by an arbitrary
client in a server and which are obtained by dividing
10 multimedia data in terms of time; and
exchanging comments on each scene among a
plurality of clients, including the requesting client,
using the multimedia electronic tag, thereby realizing
multimedia cooperative work.
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2. The multimedia cooperative work system according to
claim 1, wherein
each said client further comprises an electronic
tag editing unit displaying a comment display/input
20 screen, using a multimedia electronic tag obtained from
the server or another client.
3. The multimedia cooperative work system according to
claim 1, wherein
25 each said client further comprises a format

conversion unit converting a format of the multimedia electronic tag into a format in which the multimedia data and a comment aggregate of each scene of the multimedia data can be synchronized/reproduced.

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4. The multimedia cooperative work system according to claim 1, wherein

the attribute data include at least one of a comment writer name, a comment generation date and a
10 comment adding destination.

5. The multimedia cooperative work system according to claim 2, wherein

a publication destination of the comment can be
15 selected and designated in the comment display/input screen,

the multimedia electronic tag is updated by adding description on the publication destination, and

the multimedia electronic tag after the update is
20 stored in the server,

the server further comprises an electronic tag communication unit transmitting a multimedia electronic tag without comment, the publication destinations of which are designated, to the requesting
25 client if the client requesting the transmission of the

multimedia electronic tag is not included in the publication destinations.

6. The multimedia cooperative work system according to
5 claim 1, wherein
the multimedia electronic tag is described in XML.

7. A multimedia cooperative work system exchanging a
comment on arbitrary multimedia data among a plurality
10 of clients through a server, wherein

the server, comprising:

a multimedia communication unit assigning an
identifier to multimedia data requested by an arbitrary
client and returning the identifier to the requesting
15 client;

a multimedia storage unit storing the multimedia
data;

a management unit obtaining electronic mail, by
which the registration requesting client notifies other
20 clients of the identifier of the multimedia data,
obtaining member data from a destination address of the
electronic mail and storing/managing the member data
in relation to the identifier of the multimedia data;

an electronic tag model generation unit
25 generating a model of a multimedia electronic tag in

which a comment can be inputted to each scene obtained by dividing the multimedia data in terms of time, in tree-shape structure, based on the multimedia data and data stored/managed by the management unit, assigning
5 an identifier to the multimedia electronic tag and enabling the management unit to store/manage the identifier in relation to the multimedia data identifier; and

an electronic tag storage unit storing the
10 electronic tag model and also storing the multimedia electronic tag if an arbitrary comment is added based on the electronic tag model, and

a client of each member, including the registration requester, comprising:

15 an electronic tag communication unit obtaining a multimedia electronic tag from the server using the multimedia data identifier;

an electronic tag editing unit generating and displaying a comment editing screen by which a comment
20 on an arbitrary scene of multimedia data or a comment on a comment can be inputted using the multimedia electronic tag;

a format conversion unit converting a format of the multimedia electronic tag into a multimedia
25 synchronous reproduction format; and

a synchronous reproduction unit synchronizing
/reproducing the multimedia data and comment using the
conversion result of the format conversion unit.

5 8.A server, comprising:

a communication unit transmitting/receiving data
to/from each client through a network; and

a multimedia electronic tag model generation unit
generating a model of a multimedia electronic tag in
10 which display of a comment and attribute data
thereof/comment input in tree-shape structure is
possible for each scene obtained by dividing multimedia
data that is requested by an arbitrary client in a server,
in terms of time.

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9.The server according to claim 8, further comprising

a member management unit obtaining member data,
which are data on a user engaging in the multimedia data
cooperative work, from electronic mail by which the
20 registration requesting client notifies other clients
of the identifier of the multimedia data, and managing
the member data in relation to the multimedia data and
multimedia electronic tag,
wherein

25 said multimedia electronic tag model generation

unit generates the multimedia electronic tag model using the data managed by the management unit.

10. The server according to claim 8 or 9, wherein,
5 a publication destination and expiration date of a comment are described as attribution data of the comment in the multimedia electronic tag,
and further comprising a multimedia electronic tag modification /communication unit deleting an overdue
10 comment from a multimedia electronic tag, or when receiving a multimedia electronic tag request from a client of an arbitrary member, transmitting the multimedia electronic tag without comment, the publication destination of which are not designated the
15 requesting client, to the requesting client.

11. A client, comprising:
a communication unit transmitting/receiving data to/from a sever or each client through a network; and
20 a multimedia electronic tag editing unit displaying a comment with attribute data attached to each scene of multimedia data corresponding to the multimedia electronic tag, using a multimedia electronic tag obtained from a server or another client,
25 and simultaneously enabling a comment to be inputted

to an arbitrary scene or a comment and updating the content of the multimedia electronic tag, based on the input.

- 5 12. The client according to claim 11, further comprising:
 a format conversion unit converting a format of
the multimedia electronic tag into a format for
synchronizing/reproducing the multimedia data and
comment thereof; and
- 10 a multimedia synchronous reproduction unit
synchronizing and displaying multimedia data and
comments corresponding to each scene of the multimedia
data.
- 15 13. A multimedia cooperative work method, comprising
 generating a model of a multimedia electronic tag
in which display of a comment and attribute data
thereof/comment input in tree-shape structure is
possible for each scene of multimedia data, the
- 20 registration of which is requested by an arbitrary
client in a server, obtained by dividing multimedia data
in terms of time; and
 exchanging comments on each scene among a
plurality of clients, including the requesting client,
- 25 using the multimedia electronic tag, thereby realizing

multimedia cooperative work.

14. A computer-readable storage medium that records a program enabling a computer to execute a process, the

5 process comprising:

displaying a comment with a variety of attributes of a writer user attached to each scene of multimedia data corresponding to the multimedia electronic tag, using a multimedia electronic tag obtained from a server
10 or another client, and simultaneously enabling a comment to be inputted to an arbitrary scene or a comment and updating a content of the multimedia electronic tag, based on the input.

15 15. A computer-readable storage medium that records a program enabling a computer to execute a process, the process comprising:

converting the format of a multimedia electronic tag obtained from a server or another client or a
20 multimedia electronic tag after update into a format for synchronizing/reproducing multimedia data corresponding to the multimedia electronic tag and a comment on each scene of the multimedia data described in the multimedia electronic tag.

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16.A program as a multimedia electronic tag in which display of a comment and attribute data thereof/comment input in tree-shape structure is possible for each scene obtained by dividing multimedia data that is requested
5 by an arbitrary client in a server, in terms of time, when the program is executed.

17.A program enabling a computer to display a comment with a variety of attributes of a writer user attached
10 to each scene of multimedia data corresponding to the multimedia electronic tag, using a multimedia electronic tag obtained from a server or another client, and simultaneously enabling a comment on an arbitrary scene or comment to be inputted and updating the content
15 of the multimedia electronic tag, based on the input.

18. A program enabling a computer to convert a format of a multimedia electronic tag obtained from a server or another client or a multimedia electronic tag after
20 update into a format for synchronizing/reproducing multimedia data corresponding to the multimedia electronic tag and a comment on each scene of the multimedia data described in the multimedia electronic tag.